Jian Yang

List of Publications by Year
in descending order

259 papers	24,543 citations	8755 75 h-index	7950 149 g-index
272 all docs	272 docs citations	272 times ranked	28087 citing authors

#	Article	IF	Citations
1	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. Chemical Reviews, 2017, 117, 6225-6331.	47.7	3,940
2	Ionic Exchange of Metalâ€“Organic Frameworks to Access Single Nickel Sites for Efficient Electroreduction of CO₂. Journal of the American Chemical Society, 2017, 139, 8078-8081.	13.7	1,115
3	Phosphorusâ€Doped Graphite Layers with High Electrocatalytic Activity for the O₂ Reduction in an Alkaline Medium. Angewandte Chemie - International Edition, 2011, 50, 3257-3261.	13.8	647
4	Synthesis of Two-Dimensional CoS_{1.097}/Nitrogen-Doped Carbon Nanocomposites Using Metalâ€“Organic Framework Nanosheets as Precursors for Supercapacitor Application. Journal of the American Chemical Society, 2016, 138, 6924-6927.	13.7	591
5	Uncoordinated Amine Groups of Metalâ€“Organic Frameworks to Anchor Single Ru Sites as Chemoselective Catalysts toward the Hydrogenation of Quinoline. Journal of the American Chemical Society, 2017, 139, 9419-9422.	13.7	558
6	MoSe₂â€Covered N,Pâ€Doped Carbon Nanosheets as a Longâ€Life and Highâ€Rate Anode Material for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2017, 27, 1700522.	14.9	454
7	Doubleâ€Walled Sb@TiO_{2â^'x} Nanotubes as a Superior Highâ€Rate and Ultralongâ€Lifespan Anode Material for Naâ€Ion and Liâ€Ion Batteries. Advanced Materials, 2016, 28, 4126-4133.	21.0	412
8	Reduced Graphene Oxideâ€Wrapped MoO₃ Composites Prepared by Using Metalâ€“Organic Frameworks as Precursor for Allâ€Solidâ€State Flexible Supercapacitors. Advanced Materials, 2015, 27, 4695-4701.	21.0	388
9	Growth of Au Nanoparticles on 2D Metalloporphyrinic Metalâ€Organic Framework Nanosheets Used as Biomimetic Catalysts for Cascade Reactions. Advanced Materials, 2017, 29, 1700102.	21.0	384
10	Formation Process of CdS Nanorods via Solvothermal Route. Chemistry of Materials, 2000, 12, 3259-3263.	6.7	374
11	Selfâ€Assembly of Singleâ€Layer CoAlâ€Layered Double Hydroxide Nanosheets on 3D Graphene Network Used as Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. Advanced Materials, 2016, 28, 7640-7645.	21.0	355
12	Mechanism study on adsorption of acidified multiwalled carbon nanotubes to Pb(II). Journal of Colloid and Interface Science, 2007, 316, 277-283.	9.4	346
13	Inâ€…Situ Thermal Atomization To Convert Supported Nickel Nanoparticles into Surfaceâ€Bound Nickel Singleâ€Atom Catalysts. Angewandte Chemie - International Edition, 2018, 57, 14095-14100.	13.8	310
14	Hollow nanospheres of mesoporous Co 9 S 8 as a high-capacity and long-life anode for advanced lithium ion batteries. Nano Energy, 2015, 12, 528-537.	16.0	303
15	Synthesis and characterization of substitutional and interstitial nitrogen-doped titanium dioxides with visible light photocatalytic activity. Journal of Solid State Chemistry, 2008, 181, 130-136.	2.9	282
16	Enhanced Lithium Storage Performances of Hierarchical Hollow MoS₂ Nanoparticles Assembled from Nanosheets. ACS Applied Materials & Interfaces, 2013, 5, 1003-1008.	8.0	277
17	Lithiation-induced amorphization of Pd3P2S8 for highly efficient hydrogen evolution. Nature Catalysis, 2018, 1, 460-468.	34.4	247
18	One-step hydrothermal synthesis of ZnFe2O4 nano-octahedrons as a high capacity anode material for Li-ion batteries. Nano Research, 2012, 5, 477-485.	10.4	241

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19	Rational Synthesis, Self-Assembly, and Optical Properties of PbSâˆ'Au Heterogeneous Nanostructures via Preferential Deposition. Journal of the American Chemical Society, 2006, 128, 11921-11926.	13.7	240
20	Observation of saturable and reverse-saturable absorption at longitudinal surface plasmon resonance in gold nanorods. Applied Physics Letters, 2006, 88, 083107.	3.3	235
21	Selective Catalysis of the Aerobic Oxidation of Cyclohexane in the Liquid Phase by Carbon Nanotubes. Angewandte Chemie - International Edition, 2011, 50, 3978-3982.	13.8	234
22	General synthesis of hollow MnO₂, Mn₃O₄and MnO nanospheres as superior anode materials for lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 17421-17426.	10.3	213
23	Efficient and Robust Hydrogen Evolution: Phosphorus Nitride Imide Nanotubes as Supports for Anchoring Single Ruthenium Sites. Angewandte Chemie - International Edition, 2018, 57, 9495-9500.	13.8	205
24	A Novel Solventothermal Synthetic Route to Nanocrystalline CdE (E = S, Se, Te) and Morphological Control. Chemistry of Materials, 1998, 10, 2309-2312.	6.7	198
25	Coaxial MnO/N-doped carbon nanorods for advanced lithium-ion battery anodes. Journal of Materials Chemistry A, 2015, 3, 1037-1041.	10.3	192
26	Controlled Growth of Porous Î±â€Fe₂O₃ Branches on Î²â€MnO₂ Nanorods for Excellent Performance in Lithiumâ€Ion Batteries. Advanced Functional Materials, 2013, 23, 4049-4056.	14.9	181
27	Facile synthesis of loaf-like ZnMn2O4 nanorods and their excellent performance in Li-ion batteries. Nanoscale, 2013, 5, 2442.	5.6	176
28	Preparation and characterization of Cu2O/TiO2 nanoâ€"nano heterostructure photocatalysts. Catalysis Communications, 2009, 10, 1839-1843.	3.3	170
29	MnO₂/CNT Supported Pt and PtRu Nanocatalysts for Direct Methanol Fuel Cells. Langmuir, 2009, 25, 7711-7717.	3.5	169
30	Mesoporous Amorphous Silicon: A Simple Synthesis of a Highâ€Rate and Longâ€Life Anode Material for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2016, 55, 14063-14066.	13.8	164
31	Preparation of nitrogen-doped titanium dioxide with visible-light photocatalytic activity using a facile hydrothermal method. Journal of Physics and Chemistry of Solids, 2008, 69, 1657-1664.	4.0	163
32	Shape Control and Characterization of Transition Metal Diselenides MSe2(M = Ni, Co, Fe) Prepared by a Solvothermal-Reduction Process. Chemistry of Materials, 2001, 13, 848-853.	6.7	159
33	A general approach for MFe 2 O 4 (MÂ=ÂZn, Co, Ni) nanorods and their high performance as anode materials for lithium ion batteries. Journal of Power Sources, 2014, 247, 163-169.	7.8	158
34	Porous ZnMn2O4 microspheres as a promising anode material for advanced lithium-ion batteries. Nano Energy, 2014, 6, 193-199.	16.0	154
35	General Synthesis of MnOx (MnO2, Mn2O3, Mn3O4, MnO) Hierarchical Microspheres as Lithium-ion Battery Anodes. Electrochimica Acta, 2015, 184, 250-256.	5.2	152
36	General Synthesis of Semiconductor Chalcogenide Nanorods by Using the Monodentate Ligandn-Butylamine as a Shape Controller. Angewandte Chemie - International Edition, 2002, 41, 4697-4700.	13.8	150

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37	Controllable synthesis of nanocrystalline CdS with different morphologies and particle sizes by a novel solvothermal process. Journal of Materials Chemistry, 1999, 9, 1283-1287.	6.7	144
38	Comprehensive New Insights and Perspectives into Tiâ€Based Anodes for Nextâ€Generation Alkaline Metal (Na⁺, K⁺) Ion Batteries. Advanced Energy Materials, 2018, 8, 1801888.	19.5	142
39	Electrodeposition preparation of Ag loaded N-doped TiO2 nanotube arrays with enhanced visible light photocatalytic performance. Catalysis Communications, 2011, 12, 689-693.	3.3	138
40	Synthesis and Characterization of Coreâˆ'Shell GaP@GaN and GaN@GaP Nanowires. Nano Letters, 2003, 3, 537-541.	9.1	136
41	Conductive Polymer-Coated VS₄ Submicrospheres As Advanced Electrode Materials in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 18797-18805.	8.0	134
42	High-Performance All-Inorganic Solid-State Sodiumâ€"Sulfur Battery. ACS Nano, 2017, 11, 4885-4891.	14.6	133
43	Lateral Etching of Coreâ€"Shell Au@Metal Nanorods to Metal-Tipped Au Nanorods with Improved Catalytic Activity. ACS Nano, 2012, 6, 1165-1175.	14.6	129
44	Kinetically Controlled Side-Wall Functionalization of Carbon Nanotubes by Nitric Acid Oxidation. Journal of Physical Chemistry C, 2008, 112, 6758-6763.	3.1	128
45	Preparation of Singleâ€Layer MoS₂_xSe_{2(1â€}_x₎ and Mo_xW_{1â€}_xS₂ Nanosheets with Highâ€Concentration Metallic 1T Phase. Small, 2016, 12, 1866-1874.	10.0	126
46	VS 4 nanoparticles rooted by a-C coated MWCNTs as an advanced anode material in lithium ion batteries. Energy Storage Materials, 2017, 6, 149-156.	18.0	126
47	One-step solid state reaction to selectively fabricate cubic and tetragonal CuFe2O4 anode material for high power lithium ion batteries. Electrochimica Acta, 2013, 102, 51-57.	5.2	124
48	Quantum Dot Nanobarcodes: Epitaxial Assembly of Nanoparticleâˆ'Polymer Complexes in Homogeneous Solution. Journal of the American Chemical Society, 2008, 130, 5286-5292.	13.7	112
49	Multiwalled carbon nanotube@a-C@Co₉S₈nanocomposites: a high-capacity and long-life anode material for advanced lithium ion batteries. Nanoscale, 2015, 7, 3520-3525.	5.6	112
50	Metal-organic framework-derived Co0.85Se nanoparticles in N-doped carbon as a high-rate and long-lifespan anode material for potassium ion batteries. Materials Today Energy, 2018, 10, 241-248.	4.7	107
51	Facile synthesis of MnO2/CNT nanocomposite and its electrochemical performance for supercapacitors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1073-1078.	3.5	105
52	Intercalation of organics into layered structures enables superior interface compatibility and fast charge diffusion for dendrite-free Zn anodes. Energy and Environmental Science, 2022, 15, 1682-1693.	30.8	105
53	A new low temperature one-step route to metal chalcogenide semiconductors: PbE, Bi2E3 (E=S, Se, Te). Journal of Materials Chemistry, 1998, 8, 1949-1951.	6.7	103
54	Pressure-Controlled Fabrication of Stibnite Nanorods by the Solvothermal Decomposition of a Simple Single-Source Precursor. Chemistry of Materials, 2000, 12, 2924-2929.	6.7	103

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55	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metalâ€Organic Framework Nanosheets. Small, 2016, 12, 4669-4674.	10.0	101
56	A solvothermal decomposition process for fabrication and particle sizes control of Bi₂S₃ nanowires. Journal of Materials Research, 1999, 14, 4157-4162.	2.6	100
57	Selective etching of gold nanorods by ferric chloride at room temperature. CrystEngComm, 2009, 11, 2797.	2.6	100
58	Porous Molybdenum Phosphide Nanoâ€Octahedrons Derived from Confined Phosphorization in UIOâ€66 for Efficient Hydrogen Evolution. Angewandte Chemie, 2016, 128, 13046-13050.	2.0	100
59	Few-atomic-layered hollow nanospheres constructed from alternate intercalation of carbon and MoS2 monolayers for sodium and lithium storage. Nano Energy, 2018, 51, 546-555.	16.0	98
60	Direct Structureâ€"Performance Comparison of Allâ€Carbon Potassium and Sodium Ion Capacitors. Advanced Science, 2019, 6, 1802272.	11.2	98
61	Pt4PdCu0.4 alloy nanoframes as highly efficient and robust bifunctional electrocatalysts for oxygen reduction reaction and formic acid oxidation. Nano Energy, 2017, 39, 532-538.	16.0	97
62	Novel mesoporous silicon nanorod as an anode material for lithium ion batteries. Electrochimica Acta, 2014, 127, 252-258.	5.2	95
63	Site-Selective Adsorption on ZnF₂/Ag Coated Zn for Advanced Aqueous Zincâ€"Metal Batteries at Low Temperature. Nano Letters, 2022, 22, 1750-1758.	9.1	95
64	Pseudocapacitance boosted N-doped carbon coated Fe7S8 nanoaggregates as promising anode materials for lithium and sodium storage. Nano Research, 2020, 13, 691-700.	10.4	93
65	Solid-Solution Anion-Enhanced Electrochemical Performances of Metal Sulfides/Selenides for Sodium-Ion Capacitors: The Case of FeS_{2â€"x}Se_x. ACS Applied Materials & Interfaces, 2018, 10, 10945-10954.	8.0	91
66	Surfaceâ€Amorphous and Oxygenâ€Deficient Li₃VO_{4â^'Î´} as a Promising Anode Material for Lithiumâ€Ion Batteries. Advanced Science, 2015, 2, 1500090.	11.2	90
67	Lithium phosphide/lithium chloride coating on lithium for advanced lithium metal anode. Journal of Materials Chemistry A, 2018, 6, 15859-15867.	10.3	90
68	Autothermal reforming of ethanol for hydrogen production over perovskite LaNiO3. Chemical Engineering Journal, 2010, 160, 333-339.	12.7	89
69	Mesoporous Cu2-xSe nanocrystals as an ultrahigh-rate and long-lifespan anode material for sodium-ion batteries. Energy Storage Materials, 2019, 22, 275-283.	18.0	88
70	Layered-Structure SbPO₄/Reduced Graphene Oxide: An Advanced Anode Material for Sodium Ion Batteries. ACS Nano, 2018, 12, 12869-12878.	14.6	87
71	Optical properties of ZnS nanosheets, ZnO dendrites, and their lamellar precursor ZnSÂ·(NH2CH2CH2NH2)0.5. Chemical Physics Letters, 2002, 361, 362-366.	2.6	85
72	SnP₂O₇ Covered Carbon Nanosheets as a Longâ€Life and Highâ€Rate Anode Material for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2018, 28, 1804672.	14.9	84

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73	Hydrogenated TiO₂ Branches Coated Mn₃O₄ Nanorods as an Advanced Anode Material for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 10348-10355.	8.0	81
74	One-Dimensional Yolkâ€"Shell Sb@Tiâ€"Oâ€"P Nanostructures as a High-Capacity and High-Rate Anode Material for Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 447-454.	8.0	79
75	Controllable morphologies and electrochemical performances of self-assembled nano-honeycomb WS2 anodes modified by graphene doping for lithium and sodium ion batteries. Carbon, 2019, 142, 697-706.	10.3	76
76	A Chain-Structure Nanotube: Growth and Characterization of Single-Crystal Sb2S3 Nanotubes via a Chemical Vapor Transport Reaction. Advanced Materials, 2004, 16, 713-716.	21.0	74
77	Facile synthesis of hierarchically porous NiO micro-tubes as advanced anode materials for lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 16847-16850.	10.3	73
78	Uniform nucleation of sodium in 3D carbon nanotube framework via oxygen doping for long-life and efficient Na metal anodes. Energy Storage Materials, 2019, 23, 137-143.	18.0	72
79	Efficient and stable oxidative steam reforming of ethanol for hydrogen production: Effect of in situ dispersion of Ir over Ir/La2O3. Journal of Catalysis, 2010, 269, 281-290.	6.2	70
80	Hydrothermal Preparation and Characterization of Nanocrystalline Powder of Î²-Indium Sulfide. Materials Research Bulletin, 1998, 33, 717-721.	5.2	69
81	Recent advanced skeletons in sodium metal anodes. Energy and Environmental Science, 0, , .	30.8	69
82	Triple-walled SnO₂@N-doped carbon@SnO₂ nanotubes as an advanced anode material for lithium and sodium storage. Journal of Materials Chemistry A, 2015, 3, 23194-23200.	10.3	68
83	Simple synthesis of a porous Sb/Sb2O3 nanocomposite for a high-capacity anode material in Na-ion batteries. Nano Research, 2017, 10, 1794-1803.	10.4	67
84	High efficient conversion of cellulose to polyols with Ru/CNTs as catalyst. Renewable Energy, 2012, 37, 192-196.	8.9	64
85	Biphase-Interface Enhanced Sodium Storage and Accelerated Charge Transfer: Flower-Like Anatase/Bronze TiO₂/C as an Advanced Anode Material for Na-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 43648-43656.	8.0	63
86	Tailored N-doped porous carbon nanocomposites through MOF self-assembling for Li/Na ion batteries. Journal of Colloid and Interface Science, 2019, 538, 267-276.	9.4	63
87	Synthesis and Formation Mechanism of La2O2S via a Novel Solvothermal Pressure-Relief Process. Chemistry of Materials, 1999, 11, 192-194.	6.7	62
88	A comparative study of lithium-storage performances of hematite: Nanotubes vs. nanorods. Journal of Power Sources, 2014, 245, 429-435.	7.8	62
89	Carbon-coated mesoporous Co9S8 nanoparticles on reduced graphene oxide as a long-life and high-rate anode material for potassium-ion batteries. Nano Research, 2020, 13, 802-809.	10.4	61
90	Thermal stability of gold nanorods in an aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 372, 177-181.	4.7	59

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91	Crystal engineering and SERS properties of Agâ€“Fe3O4 nanohybrids: from heterodimer to coreâ€“shell nanostructures. Journal of Materials Chemistry, 2011, 21, 17930.	6.7	59
92	The role of RuO2 in the electrocatalytic oxidation of methanol for direct methanol fuel cell. Catalysis Communications, 2009, 10, 533-537.	3.3	57
93	Enhanced electrochemical properties of nano-Li3PO4 coated on the LiMn2O4 cathode material for lithium ion battery at 55Â°C. Materials Letters, 2012, 66, 168-171.	2.6	57
94	Organic solvent dependence of plasma resonance of gold nanorods: A simple relationship. Chemical Physics Letters, 2005, 416, 215-219.	2.6	55
95	Hierarchical coreâ€“shell Î±-Fe2O3@C nanotubes as a high-rate and long-life anode for advanced lithium ion batteries. Journal of Materials Chemistry A, 2014, 2, 3439-3444.	10.3	55
96	Anchoring and space-confinement effects to form ultrafine Ru nanoclusters for efficient hydrogen generation. Journal of Materials Chemistry A, 2018, 6, 13859-13866.	10.3	55
97	Hydrothermal preparation and characterization of rod-like ultrafine powders of bismuth sulfide. Materials Research Bulletin, 1998, 33, 1661-1666.	5.2	54
98	Electrodeposition preparation of octahedral-Cu2O-loaded TiO2 nanotube arrays for visible light-driven photocatalysis. Scripta Materialia, 2010, 63, 159-161.	5.2	54
99	Ether-based nonflammable electrolyte for room temperature sodium battery. Journal of Power Sources, 2015, 284, 222-226.	7.8	54
100	Controlled synthesis of bimetallic Pdâ€“Rh nanoframes and nanoboxes with high catalytic performances. Nanoscale, 2015, 7, 9558-9562.	5.6	54
101	Li3VO4 nanoparticles in N-doped carbon with porous structure as an advanced anode material for lithium-ion batteries. Chemical Engineering Journal, 2019, 370, 606-613.	12.7	54
102	Hierarchically Porous CuCo 2 O 4 Microflowers: a Superior Anode Material for Li-ion Batteries and a Stable Cathode Electrocatalyst for Li-O 2 Batteries. Electrochimica Acta, 2016, 208, 148-155.	5.2	53
103	Preparation of nitrogen doped TiO2 photocatalyst by oxidation of titanium nitride with H2O2. Materials Research Bulletin, 2011, 46, 840-844.	5.2	50
104	Effect of nitrogen-doping temperature on the structure and photocatalytic activity of the B,N-doped TiO2. Journal of Solid State Chemistry, 2011, 184, 134-140.	2.9	50
105	A dealloying process of coreâ€“shell Au@AuAg nanorods for porous nanorods with enhanced catalytic activity. Nanoscale, 2013, 5, 12582.	5.6	50
106	Development of stable PtRu catalyst coated with manganese dioxide for electrocatalytic oxidation of methanol. Electrochemistry Communications, 2010, 12, 1210-1213.	4.7	49
107	Steam Reforming of Oxygenate Fuels for Hydrogen Production: A Thermodynamic Study. Energy & Fuels, 2011, 25, 2643-2650.	5.1	49
108	Porous MnFe₂O₄ microrods as advanced anodes for Li-ion batteries with long cycle lifespan. Journal of Materials Chemistry A, 2015, 3, 9550-9555.	10.3	49

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109	Preparation of B, N-codoped nanotube arrays and their enhanced visible light photoelectrochemical performances. Electrochemistry Communications, 2011, 13, 121-124.	4.7	48
110	Organothermal Synthesis and Characterization of Nanocrystalline ÃŸâ€Indium Sulfide. Journal of the American Ceramic Society, 1999, 82, 457-460.	3.8	47
111	Hierarchical vanadium pentoxide microflowers with excellent long-term cyclability at high rates for lithium ion batteries. Journal of Power Sources, 2014, 272, 991-996.	7.8	46
112	One-pot solvothermal synthesis of graphene wrapped rice-like ferrous carbonate nanoparticles as anode materials for high energy lithium-ion batteries. Nanoscale, 2015, 7, 232-239.	5.6	46
113	Novel highly efficient alumina-supported cobalt nitride catalyst for preferential CO oxidation at high temperatures. International Journal of Hydrogen Energy, 2011, 36, 1955-1959.	7.1	45
114	Synthesis of 4H/fcc-Au@Metal Sulfide Coreâ€“Shell Nanoribbons. Journal of the American Chemical Society, 2015, 137, 10910-10913.	13.7	44
115	Plasmon-enhanced electrocatalytic hydrogen/oxygen evolution by Pt/Feâ€“Au nanorods. Journal of Materials Chemistry A, 2018, 6, 7364-7369.	10.3	44
116	Long Cycle Life All-Solid-State Sodium Ion Battery. ACS Applied Materials & Interfaces, 2018, 10, 39645-39650.	8.0	44
117	Phase-Separation-Induced Porous Lithiophilic Polymer Coating for High-Efficiency Lithium Metal Batteries. Nano Letters, 2021, 21, 4757-4764.	9.1	44
118	Suppressed Dissolution and Enhanced Desolvation in Coreâ€“Shell MoO₃@TiO₂ Nanorods as a Highâ€Rate and Longâ€Life Anode Material for Proton Batteries. Advanced Energy Materials, 2022, 12, .	19.5	44
119	Ultrasensitive detection and molecular imaging with magnetic nanoparticles. Analyst, The, 2008, 133, 154-160.	3.5	43
120	ZIF-Derived Cobalt-Containing N-Doped Carbon-Coated SiO_x Nanoparticles for Superior Lithium Storage. ACS Applied Materials & Interfaces, 2020, 12, 7206-7211.	8.0	43
121	Mesoporous zinc-blende ZnS nanoparticles: synthesis, characterization and superior photocatalytic properties. Nanotechnology, 2008, 19, 255603.	2.6	42
122	Thermodynamic analysis of hydrogen generation via oxidative steam reforming of glycerol. Renewable Energy, 2011, 36, 2120-2127.	8.9	41
123	Inâ€…Situ Thermal Atomization To Convert Supported Nickel Nanoparticles into Surfaceâ€Bound Nickel Singleâ€Atom Catalysts. Angewandte Chemie, 2018, 130, 14291-14296.	2.0	41
124	N, P-codoped graphene supported few-layered MoS2 as a long-life and high-rate anode materials for potassium-ion storage. Nano Research, 2021, 14, 3523-3530.	10.4	41
125	Chemical Synthesis, Structural Characterization, Optical Properties, and Photocatalytic Activity of Ultrathin ZnSe Nanorods. Chemistry - A European Journal, 2011, 17, 8663-8670.	3.3	40
126	Catalytic Conversion of N-Heteroaromatics to Functionalized Arylamines by Merging Hydrogen Transfer and Selective Coupling. ACS Catalysis, 2020, 10, 5243-5249.	11.2	40

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127	Chlorine-doped SnO₂ hydrophobic surfaces for large grain perovskite solar cells. Journal of Materials Chemistry C, 2020, 8, 11638-11646.	5.5	40
128	Polypyrrole-controlled plating/stripping for advanced zinc metal anodes. Materials Today Energy, 2020, 17, 100443.	4.7	40
129	Voltage-Modulated Structure Stress for Enhanced Electrochemcial Performances: The Case of Î¼-Sn in Sodium-Ion Batteries. Nano Letters, 2021, 21, 3588-3595.	9.1	38
130	Boosting Fast and Stable Alkali Metal Ion Storage by Synergistic Engineering of Oxygen Vacancy and Amorphous Structure. Advanced Functional Materials, 2022, 32, 2106751.	14.9	38
131	Nitrogen and fluorine co-doped TiO2/carbon microspheres for advanced anodes in sodium-ion batteries: High volumetric capacity, superior power density and large areal capacity. Journal of Energy Chemistry, 2022, 68, 104-112.	12.9	38
132	RuO2Â·xH2O Supported on Carbon Nanotubes as a Highly Active Catalyst for Methanol Oxidation. Journal of Physical Chemistry C, 2008, 112, 11875-11880.	3.1	37
133	Hybrid PdAg alloy-Au nanorods: Controlled growth, optical properties and electrochemical catalysis. Nano Research, 2013, 6, 571-580.	10.4	37
134	Effect of different carbon sources on the electrochemical properties of rod-like LiMnPO4â€“C nanocomposites. RSC Advances, 2013, 3, 6847.	3.6	37
135	Coaxial Manganese Dioxide@N-doped Carbon Nanotubes as Superior Anodes for Lithium Ion Batteries. Electrochimica Acta, 2015, 182, 676-681.	5.2	37
136	Mesoporous Amorphous Silicon: A Simple Synthesis of a Highâ€Rate and Longâ€Life Anode Material for Lithiumâ€Ion Batteries. Angewandte Chemie, 2016, 128, 14269-14272.	2.0	37
137	Hierarchically porous Li3VO4/C nanocomposite as an advanced anode material for high-performance lithium-ion capacitors. Journal of Power Sources, 2018, 384, 240-248.	7.8	37
138	A novel morphology controllable preparation method to HgS. Materials Research Bulletin, 2001, 36, 343-348.	5.2	36
139	Oneâ€Step Synthesis and Characterization of Goldâ€“Hollow PbS_x Hybrid Nanoparticles. Angewandte Chemie - International Edition, 2009, 48, 3991-3995.	13.8	36
140	Facile solid-state synthesis of Li2MnSiO4/C nanocomposite as a superior cathode with a long cycle life. Journal of Power Sources, 2013, 231, 39-43.	7.8	36
141	Vanadium sulfide sub-microspheres: A new near-infrared-driven photocatalyst. Journal of Colloid and Interface Science, 2017, 498, 442-448.	9.4	35
142	Truncated cobalt hexacyanoferrate nanocubes threaded by carbon nanotubes as a high-capacity and high-rate cathode material for dual-ion rechargable aqueous batteries. Journal of Power Sources, 2018, 399, 1-7.	7.8	35
143	Solid-state batteries designed with high ion conductive composite polymer electrolyte and silicon anode. Energy Storage Materials, 2021, 43, 165-171.	18.0	35
144	In situ growth, structure characterization, and enhanced photocatalysis of high-quality, single-crystalline ZnTe/ZnO branched nanoheterostructures. Nanoscale, 2011, 3, 4418.	5.6	34

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145	2D MOF induced accessible and exclusive Co single sites for an efficient O-silylation of alcohols with silanes. Chemical Communications, 2019, 55, 6563-6566.	4.1	34
146	Hydrogen production via autothermal reforming of ethanol over noble metal catalysts supported on oxides. Journal of Natural Gas Chemistry, 2009, 18, 191-198.	1.8	33
147	Capacitance dependent catalytic activity of RuO2Â·xH2O/CNT nanocatalysts for aerobic oxidation of benzyl alcohol. Chemical Communications, 2009, , 2408.	4.1	33
148	SiOx embedded in N-doped carbon nanoslices: A scalable synthesis of high-performance anode material for lithium-ion batteries. Carbon, 2021, 178, 202-210.	10.3	33
149	Revisit sodium-storage mechanism of metal selenides in ether-based electrolytes: Electrochemically-driven Cu permeation to the formation of Cu2-xSe. Energy Storage Materials, 2021, 40, 189-196.	18.0	33
150	Tunnel-structured Na_{0.54}Mn_{0.50}Ti_{0.51}O₂and Na_{0.54}Mn_{0.50}Ti_{0.51}O₂/C nanorods as advanced cathode materials for sodium-ion batteries. Chemical Communications, 2015, 51, 8480-8483.	4.1	32
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